



# SOUVIK RANA

## PROFESSIONAL SUMMARY

Innovative Electronics and Communication Engineering student with hands-on experience in designing advanced wearable technology, integrating sensor data with cloud systems, and Salesforce development. Proficient in programming, web development, and industry-standard software development. Adept at problem-solving, teamwork, and public speaking.

## PROJECTS

### • WellBee: Healthcare Patient Management Application

Developed a Next.js application that streamlined appointment booking and management, reducing processing time by 40% and decreasing missed appointments by 25%.

### • Souvik Rana's Portfolio Website

Created a personal portfolio website that led to a 50% increase in professional inquiries by showcasing skills, projects, and contact information.

### • Design of a Broadband Wearable Antenna using IoT and Medical Applications (Ongoing)

Engineering a broadband wearable antenna with a frequency range of 3 to 10 GHz, enhancing health monitoring accuracy by 20%.

### • YOOM: Deploying a Full Stack Video Conferencing App with Next.js (Ongoing)

Developing real-time video conferencing app using Next.js, enhancing communication efficiency by 35% for users through a scalable and secure platform.

### • Touch-Based Intrusion Detection System using Arduino

Implemented a capacitive touch sensor with Arduino UNO, achieving 95% accuracy in detecting intrusion events and displaying alerts on a 16 × 2 LCD.

## WORK EXPERIENCE

### Salesforce Developer Intern

SmartBridge & Persistent

(July, 2024 – August, 2024)

My Trailhead Link: [salesforce.com/trailblazer/souvikrana](https://trailhead.salesforce.com/user/souvikrana)

- Assisted in developing and customizing Salesforce applications, improving CRM functionalities and user experience.
- Supported the implementation of workflows, data integration, and report generation, enhancing operational efficiency by 20%.

## EDUCATION

### ❖ Bachelor of Technology in Electronics and Communication Engineering

(October 2021 - Present)

Academy of Technology, Hooghly, West Bengal

CGPA: 8.23

### ❖ Higher Secondary (WBCHSE)

(2020-2021)

Springdale High School, Kalyani, West Bengal

Percentage: 85%

### ❖ Secondary (WBBSE)

(2018-2019)

Springdale High School, Kalyani, West Bengal

Percentage: 81.29%

## CERTIFICATIONS

### ❖ Short term course on “Hands-on Introduction to Internet of Things with Machine Learning” at IIT Kharagpur.

(December 2023)

### ❖ Online course on “Geodata Processing using Python” by ISRO.

(January 2024)

## ABOUT

Website: - [souvik-rana.vercel.app/](https://souvik-rana.vercel.app/)

Email: - [rana.souvik17@gmail.com](mailto:rana.souvik17@gmail.com)

Github: - <https://github.com/Souvik-Rana>

LinkedIn: - [linkedin.com/in/souvik-rana-sr17/](https://www.linkedin.com/in/souvik-rana-sr17/)

Contact: - (+91) 9163161124

Address: - B-12/63, Kalyani, Nadia-741235, West Bengal, India

## KEY SKILLS

### Programming and Web development:

C, Java, Python, HTML, CSS, JavaScript, NextJS, ReactJS, NodeJS, MongoDB, Appwrite.

### Industry Software:

CST Microwave Studio, MATLAB, OCTAVE, FreeCAD, EAGLE PCB Design and Electrical Schematic, MS Office.

### Soft Skills:

Leadership skills, Problem Solving abilities, Teamwork skills, Public speaking abilities.

## POSITION OF RESPONSIBILITY

Organizer | Techfest & Humatronics of Academy of Technology (2024)

## HOBBIES

Playing Sports (like cricket, football, badminton, chess, etc.), Singing, Playing Instruments (like guitar, harmonium, etc.)